

Curriculum

Year One

Fall Semester

Molecular Biology (BCH 5413) (or BCH 6415)
Seminar in Biotechnology (GMS 7194)
IDP Practical Laboratory Course (GMS 6004)
Independent Studies Research (GMS 6905)

Spring Semester

Molecular Biology (BCH 6415) (or BCH 5413)
Seminar in Biotechnology (GMS 7194)
Infectious Diseases (GMS 6121)
Independent Studies Research or Elective

Summer (1st Year)

Independent Studies or Animal Research Methods

Year Two

Fall Semester

Business Module 1, 2
Statistics 1, 2
Accounting 1, 2
Microeconomics
Organizational Behavior
Professional Development Module
Seminar in Biotechnology

Spring Semester

Business Module 1, 2
Finance 1, 2
International Macroeconomics
Operations Management
Business Law
Marketing Management
Professional Development Module
Seminar in Biotechnology

Summer (2nd Year)

Independent Studies (GMS 6905)

Year Three

Fall Semester

Elective (Science)
Business Elective Module 1
Business Elective Module 2
Professional Development Module
Master's Research

Spring Semester

Elective (Science)
Business Elective Module 1
Business Policy
Professional Development Module
Master's Research

Summer (3rd Year)

Internship (Biotechnology Industry)

In response to the growing number of businesses engaged in the sophisticated biotechnological sciences, the University of Florida offers a joint MBA/MS Program. Sponsored by the Florida MBA Program and the Department of Molecular Genetics and Microbiology in the College of Medicine, in cooperation with the Biotechnology Program, the program culminates in both Master of Business Administration and the Master of Science degrees. In addition, the student will gain work experience in a biotechnology laboratory and/or the biomedical industry.

Both degrees can be obtained in three years. The joint program requires one full year of business courses, one full year of science courses and a year devoted to research and electives in business and science. The research is presented in the form of a thesis.

The program is designed specifically for those individuals who wish to have a career in the biomedical industry as either researchers or administrators. Research will be done in one of the ICBR (Interdisciplinary Center for Biotechnology Research) core laboratories in conjunction with a member of the Department of Molecular Genetics and Microbiology. Specialization may be in molecular genetics, bacterial pathogenesis, virology, mammalian genetics, or gene therapy.

The program requires 48 hours for the MBA, of which 12 may be in medical science courses, and 38 hours in medical sciences, of which 6 must be research or experience in the biomedical industry, and 6 may be in business courses. This would be a total of 68 credit hours. The program also involves two summers of work in a biotechnology laboratory and a final summer business/science internship.

Some of the research could be completed in the first or second summer. Many electives in biochemistry, general medical sciences, agriculture, and statistics are available.